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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/529,499	01/17/2006	Clifford A Buxton	32860-000854-US	8523
30596 7590 03/19/2007 HARNESS, DICKEY & PIERCE, P.L.C. P.O.BOX 8910 RESTON, VA 20195			EXAMINER FISHMAN, MARINA	
			ART UNIT	PAPER NUMBER
			2832	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		03/19/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/529,499	BUXTON ET AL.	
	Examiner	Art Unit	
	Marina Fishman	2832	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 2/14/07.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1--9, 11-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1--8, 11-20 is/are rejected.
- 7) ☒ Claim(s) 9 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

General status

1. This is a Final Action on the Merits. Claims 1 – 9 and 11 - 20 are pending in the case and are being examined.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1 – 8 and 11 – 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Morel et al. [US 6,248,971].

Morel et al. disclose an arrangement, comprising:

- a low-voltage power circuit breaker [10];
- a switching gas damper [56, Figure 3] provided with a bearing element [surface of 56], the switching gas damper being arranged above an arc-quenching chamber [26] of the low-voltage power circuit breaker and including at least one inlet opening [opening in 56], formed by the bearing element and for switching gases and at least one outlet opening [openings in plate above plates 58, Figure 3], for damped or completely ionized switching gases;

- wherein the bearing element is fixable on withdrawable part rack [14, Figure 1] accommodating the low-voltage power circuit breaker for inserting the low voltage circuit breaker into a switching cell (within rack 14) and the bearing element forms at least one accommodating area for a flow element [58], adapted to build up a flow resistance for the switching gases;
- wherein at least one accommodating area is closable by at least one closure element [top plate not numbered, above plates 58, Figure 3] adapted to fix the at least one flow element, and wherein in that the at least one closure element forms the at least one outlet opening.

Regarding Claim 2, the switching gas damper, disclosed by Morel et al., adapted to be positioned in relation to the arc-quenching chamber by means of selectable spacer element [element below 56 - not numbered]. Regarding Claims 3 and 16, Morel et al. disclose the accommodating area for the flow element is formed by a trough-like depression in the bearing element. Regarding Claims 4 and 17, Morel et al. disclose a base of the trough-like depression, whilst forming an at least partially peripheral retaining web, at the same time forms the inlet opening for the switching gases into the switching gas damper. Regarding Claims 5 and 18, a retaining web formed on opposing narrow sides is disclosed in Figure 3 (not numbered). Regarding Claims 6 and 19, the at least one flow element is formed by perforated plates. Regarding Claims 7

and 20, the total height of the flow elements corresponds to the total height of the bearing element [Figure 2]. Regarding Claim 8, the bearing element forms a number of accommodating areas for flow elements, which corresponds to the number of switching poles of the low-voltage power circuit breaker [Figures 1, 3, 4]. Regarding Claim 11, the bearing element, is fixed to sidewalls of the withdrawable part rack. Regarding Claim 12, the accommodating area for the flow element [58] is formed by a trough-like depression in the bearing element [56]. Regarding Claim 13, wherein a base of the trough-like depression, whilst forming an at least partially peripheral retaining web [two thinner sidewalls], at the same time forms the inlet opening for the switching gases into the switching gas damper.

Regarding Claim 14, Morel et al. disclose a switching gas damper [56, 58] for a low-voltage power circuit breaker [10], the switching gas damper, comprising:

- at least one inlet opening [Figure 3], formed by a bearing element [56], for switching gases; and
- at least one outlet opening [in a plate above top 58] for damped or completely ionized switching gases;
- wherein the switching gas damper is arrangeable above an arc-quenching chamber [26] of the low-voltage power circuit breaker;
- wherein the bearing element is fixable on a withdrawable part rack [14, Figure 1], accommodating the low-voltage power circuit breaker for inserting the low-voltage power

circuit breaker into a switchgear cell (within rack 14), and the bearing element forms at least one accommodating area for a flow element adapted to build up a flow resistance for the switching gases;

- wherein the at least one accommodating area is closable by at least one closure element [top plate, not numbered, Figure 3] adapted to fix the at least one flow element, and wherein the at least one closure element forms the at least one outlet opening.

Regarding Claim 15, the switching gas damper is adapted to be positioned in relation to the arc-quenching chamber by selectable spacer element [circular spacers, Figure 3].

Allowable Subject Matter

4. Claim 9 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

5. Applicant's arguments filed 2/14/07 have been fully considered but they are not persuasive.

The Applicant has argued, "Morel teaches nothing more than dampers integrated into the individual arc-quenching chambers of a circuit breaker" and "this has nothing to whatsoever to do with mounting a bearing element on a withdrawal part rack." The

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Examiner respectfully disagrees. The bearing element, as shown in Figure 3 of Morel, is affixed by using bolts and is mounted on a withdrawal part rack, and thus satisfies the Claim limitation.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marina Fishman whose telephone number is 571-272-1991. The examiner can normally be reached on 7-5 M-T.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Marina Fishman
March 15, 2007



ELVIN ENAD
SUPERVISORY PATENT EXAMINER
15MB204107